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In parallelogram $FGHI$, diagonals \overline{IG} and \overline{FH} are drawn and intersect at point M . Which of the following statements *must* be true?

- A** $\triangle FGI$ must be an obtuse triangle.
- B** $\triangle HIG$ must be an acute triangle.
- C** $\triangle FMG$ must be congruent to $\triangle HMG$.
- D** $\triangle GMH$ must be congruent to $\triangle IMF$.